|   | Index of Claims  |          |          |          |              |          |          |          |          |          |           |                              |    |              | pplication/Control No. |             |          |           |             |           |              |              |          |          | Applicant(s)/Patent under Reexamination |                    |                     |           |          |              |           |              |              |              |          |
|---|--|----------|----------|----------|--------------|----------|----------|----------|----------|----------|-----------|------------------------------|----|--------------|------------------------|-------------|----------|-----------|-------------|-----------|--------------|--------------|----------|----------|---|--------------------|---------------------|-----------|----------|--------------|-----------|--------------|--------------|--------------|----------|
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|   |  |          |          |          |              |          |          |          |          |          |           |                              |    |              | 10/071,017<br>Examiner |             |          |           |             |           |              |              |          |          |   | ROSENTRETER ET AL. |                     |           |          |              |           |              |              |              |          |
|   | HINNI MAN DAN HAN HAN HAN HAN HAN HAN HAN HAN HAN H  |          |          |          |              |          |          |          |          |          |           |                              |    |              | Brian J. Sines         |             |          |           |             |           |              |              |          |          | 1743                                    |                    |                     |           |          |              |           |              |              |              |          |
|   |  |          |          |          |              |          |          |          |          |          |           |                              |    |              |                        | <del></del> |          | _         | _           | _         | _            |              |          |          |   |                    |                     |           |          |              | /<br>¬    |              |              |              |          |
|   | √ Rejected   |          |          |          |              |          |          |          |          |          |           | (Through numera<br>Cancelled |    |              |                        |             | 1)       | N         |             |           | Non-Elected  |              |          | <u>.</u> |   | A                  | Appeal              |           |          |              |           |              |              |              |          |
|   |  |          | 8        | Allowed  |              |          | d        |          |          | +        |           | Restricted                   |    |              |                        |             |          |           |             | I Interfe |              |              | ere      | ence     |   |                    | 0                   | Objected  |          |              |           |              |              |              |          |
| [ | Cla  | im       | Z        | Q Date   |              |          |          | _        |          |          |           | Claim                        |    |              |                        |             |          | D         | ate         | ite       |              |              |          | Claim    |   |                    |                     | -         |          | Date         |           |              |              |              |          |
| [ | 1  | lal      | 124      | 17       | 3            |          |          |          |          |          | 7         | Γ                            | Ţ  | <u> </u>     | T                      | T           |          | Т         | ٦           |           | T            |              |          | Γ,       | .   ;                                   | 5                  |                     | T         | Т        | T            |           | Τ            |              |              |          |
|   | Final  | Original | 8/2      | 11       | 2            |          |          |          |          |          |           | Final                        |    | Ongina       |                        |             |          |           |             | J         |              |              |          | 1 2 2    |   | 18118              |                     | l         | 1        | l            |           | 1            |              | }            |          |
|   |  |          | 1/       | 10       |              | 4        | $\dashv$ | 4        | Щ        | $\dashv$ | 4         | $\vdash$                     |    | _L           | 4                      | 4           | 4        | 4         | 4           | 4         | 4            | $\downarrow$ | ↲        | -        | _1_                                     |                    | -                   | 4         | 4        | ╀            | 4         | $\downarrow$ | $\downarrow$ | <del> </del> |          |
|   |  | 1.       | 11/1     | 7        | 1            | ᅥ        | $\dashv$ | -        | Н        | $\dashv$ | ┪         | $\vdash$                     |    | i1<br>2      | +                      | ╅           | +        | ╁         | +           | +         | $\dashv$     | +            | ┥        |          | 10                                      |                    | $\dashv$            | $\dashv$  | ╁        | +            | +         | ╁            | ╁            | ╁            | ·        |
|   |  | 3        | 77       | Z        | 3            | $\Box$   | $\Box$   |          |          |          | $\exists$ |                              | 1  | 3            | 1                      | ユ           | 1        | #         | 1           | $\Box$    | 1            | 1            | ]        |          | 10                                      | 13                 |                     |           | 1        | 1            | T         | ļ            | 1            |              |          |
| } |  | 5        |          | 1/2      | 3            | -        | -        |          | $\dashv$ |          | -         | -                            |    | 54           | 4                      | +           | +        | +         | 4           | +         | +            | +            | 4        | $\vdash$ | 10                                      | )4<br>)5           | $\dashv$            | +         | +        | +            | +         | ╀            | +            | ╀            | {        |
|   |  | 6        | //       | 111      | Ì            | $\dashv$ | ┪        | -        | Н        |          | _         | $\vdash$                     |    | <del>2</del> | +                      | +           | +        | 十         | ┪           | +         | ╅            | 十            | 1        | -        | 1                                       |                    | +                   | $\forall$ | +        | t            | +         | ╁            | ╁            | +            |          |
| ļ |  | 7        | Ž        | 11       | Ź            |          | $\Box$   |          | П        |          | $\Box$    |                              | 1  | 7            | 1                      | 1           | 7        | 1         | 7           | $\Box$    | 1            | 7            | 7        |          | 1                                       |                    | $\Box$              | $\Box$    | $\top$   | Ţ            | 1         | Ţ            | Ţ            | 二            |          |
| - |  | 8        | <u> </u> | 1        | "            | $\dashv$ | $\dashv$ | Н        | Н        | Н        | $\dashv$  | $\vdash$                     | +; | 58<br>59     | +                      | +           | +        | ╬         | +           | +         | +            | +            | -        | -        | 1                                       |                    | +                   | +         | +        | +            | +         | ╀            | +            | ┼╌           |          |
|   |  | 10       | /        | 1        | 7            |          |          |          | Н        |          | _         |                              |    | 30           | T                      | +           | T        | T         | $\top$      | $\dashv$  | $\dagger$    | +            | 7        |          | 1                                       |                    | 1                   | $\dagger$ | $\dashv$ | $\dagger$    | $\dagger$ | $\dagger$    | T            | 十            | İ        |
| ļ |  | 11       | V        | //       | Ž            |          |          |          |          |          | $\Box$    |                              |    | 31           | 1                      | 4           | $\bot$   | $\Box$    | $\Box$      | $\Box$    | $\Box$       | $\downarrow$ | ]        |          | 1                                       |                    | $\Box$              | $\Box$    | $\perp$  | Ţ            | Ţ         | Ţ            | Ţ            | $\Box$       | ]        |
| - |  | 12<br>13 |          | 11/1     | 7            |          | -        |          | Н        | Н        | $\dashv$  | $\vdash$                     |    | 32<br>33     | +                      | +           | +        | +         | +           | +         | +            | +            | 4        | $\vdash$ |   | 12                 | $\dashv$            | +         | +        | ╀            | ╁         | +            | +            | ╁            |          |
|   |  | 14       | 1        | N        | 11/11/11     | $\dashv$ | $\dashv$ |          | Н        | Н        | $\dashv$  | $\vdash$                     |    | <del>~</del> | $\dagger$              | +           | +        | ┪         | $\dashv$    | 十         | +            | +            | 1        | $\vdash$ |   | 14                 | $\dashv$            | $\forall$ | 十        | $^{\dagger}$ | ╁         | ╁            | +-           | ╁╴           |          |
| 1 |  | 15       | S        | 101      |              |          |          |          |          |          |           |                              |    | 55           | 1                      | 1           | #        | $\Box$    | $\sqsupset$ | $\Box$    |              |              | ]        |          | 1                                       | 15                 |                     | 1         |          | 1            | 1         | I            | I            | 上            | j        |
| } |  | 16<br>17 | 2        | "        | 1111         | 4        | Ц        | $\vdash$ | L        | Ь.       | 4         | -                            |    | 36<br>37     | +                      | 4           | 4        | 4         | 4           | 4         | 4            | 4            | 4        |          |   | 4 9                | $\dashv$            | +         | +        | +            | 4         | ╀            |              | ╀-           | 1        |
|   |  | 18       | 8        | ///      | 3            | $\dashv$ | $\dashv$ | Н        | Н        | Н        | $\dashv$  | -                            |    | 38           | +                      | +           | +        | ╅         | ╅           | +         | $\dashv$     | +            | ┨        | ┝        |   | 17<br>18           | $\dashv$            | ╅         | ╁        | ╁            | ╁         | +            | +            | ╁╴           | }        |
| ŀ |  | 19       | Ž        | 1//      | Š            |          |          |          |          |          |           |                              | 1  | 9            | 土                      |             |          | 士         | ⇉           |           | 1            | 士            |          | L        | 1                                       | 19                 |                     | ╛         |          | 1            | 士         | İ            | I            | 上            | j        |
| ļ |  | 20       | 1        | 1        | 7            |          |          |          | L        | Щ        | 4         | -                            |    | 70           | 4                      | 4           | 4        | 4         | 4           | 4         | 4            |              | 4        | _        |   | 18                 | _                   | 4         | 4        | 1            | 4         | 4            | 4            | $\perp$      |          |
|   |  | 21       | K        | 7        | 성            | $\dashv$ | Н        | Н        | -        | Н        | $\dashv$  | $\vdash$                     |    | /1<br>/2     | ╬                      | $\dashv$    | ╅        | +         | +           | +         | ╅            | +            | ┨        | ŀ        |   | 2 3                | $\dashv$            | ┥         | +        | +            | +         | +            | ╁            | ╁╴           | <b>{</b> |
|   |  | 23       | 0        | V        | 7            |          |          |          |          |          |           |                              |    | 73           | 1                      | $\exists$   | 1        | $\exists$ |             | $\exists$ | $\exists$    | $\pm$        |          |          | 1                                       | 23                 |                     |           | 士        | 1            | 士         | 1            |              | 士            | 1        |
|   |  | 24       | 0        | <b>V</b> | <sup>'</sup> |          |          |          |          | П        |           |                              |    | 74           | $\downarrow$           | $\Box$      | $\Box$   | $\Box$    | $\exists$   | $\Box$    | $\Box$       |              |          |          |   | 24                 |                     | $\Box$    | $\bot$   | Ţ            | Ţ         | Ţ            | Ţ            | I            |          |
|   |  | 25<br>26 | 0        | 0        | 70           | _        | $\vdash$ |          | Н        | Н        | $\dashv$  | -                            |    | 75<br>76     | +                      | +           | +        | +         | ┥           | +         | $\dashv$     | +            | ┨        | $\vdash$ |   | 25<br>26           | Н                   | $\dashv$  | +        | +            | +         | ╁            | +            | ╀            | 1        |
|   |  | 27       | 0        | 0        | 히            |          | Н        | Н        | Н        |          | $\dashv$  | $\vdash$                     |    | 77           | $\dagger$              | +           | +        | +         | +           | +         | ┪            | $\dashv$     | ┥        | $\vdash$ |   | 27                 | $\dashv$            | ┪         | +        | $\dagger$    | $\dagger$ | +            | ╁            | +-           | <b>!</b> |
|   |  | 28       | 0        | 0        |              |          |          |          |          |          |           |                              |    | 78           | I                      | 7           | 7        | コ         | $\exists$   | $\Box$    | 1            | $\bot$       |          |          | 1                                       | 28                 |                     | $\Box$    |          | I            | $\bot$    | T            | 1            | $\bot$       |          |
|   |  | 30       | 0        | <u>0</u> |              | _        | $\dashv$ |          | H        | Н        | 4         | $\vdash$                     |    | 79  <br>30   | +                      | +           | +        | -         |             | $\dashv$  | +            | +            | 4        | -        | 1                                       | 29<br>30           | $\dashv$            | +         | +        | +            | +         | +            | ╁            | ╀            | ł        |
| İ |  | 31<br>32 | ř        | ∀        | 니            | -        | Н        |          | -        | Н        | $\dashv$  | $\vdash$                     |    | 31_          | +                      | _           | _        | _         | $\dashv$    | +         | $\dashv$     | +            | 7        | -        | 1                                       | 31                 | $\dashv$            | $\dashv$  | +        | $\dagger$    | +         | +            | 十            | +            | 1        |
|   |  | 32       | 0        | 0        | 0            |          |          |          |          |          |           |                              |    | 32           |                        | $\Box$      | $\Box$   | $\Box$    | $\Box$      | 1         |              | $\Box$       |          |          | 1                                       | 32                 |                     | I         |          | Ţ            | T         | I            |              | 工            |          |
|   |  | 33       | ⊢        |          | Н            |          | Н        | Н        | L        | H        | $\dashv$  | -                            |    | 33           | +                      | +           | +        | +         | -           | -         | +            | +            | 4        | $\vdash$ | 11                                      | 34                 | $\dashv$            | 4         | +        | +            | +         | ╀            | +            | ╀            | -        |
|   |  | 35       | ┢        | -        | $\dashv$     | $\dashv$ | Н        | Н        | Н        | ┝        | $\dashv$  | $\vdash$                     |    | 35           | +                      | $\dashv$    | $\dashv$ | 7         | +           | 7         | 7            | $\dagger$    | ┨        | F        |   | 35                 | H                   | $\dashv$  | +        | $^{\dagger}$ | +         | 十            | $^{+}$       | +            | 1        |
|   |  | 36       |          |          |              |          |          |          |          | П        |           |                              |    | 36           | 1                      |             | $\Box$   | $\Box$    | $\Box$      |           | コ            | $\exists$    | 7        |          | 1                                       | 36                 |                     | $\Box$    |          | 1            | 1         | 1            | I            | I            | 1        |
|   |  | 37<br>38 | <u> </u> | -        | $\dashv$     | _        | $\dashv$ | $\vdash$ | -        | _        | $\dashv$  | -                            |    | 37<br>38     | 4                      | +           | +        | 4         | +           | +         | +            | +            | ┨.       | -        |   | 88                 | Н                   | 4         | -        | +            | +         | +            | ╀            | ╁            | ł        |
|   |  | 39       | ┝        |          | Н            | Н        | $\dashv$ | Н        | $\vdash$ | ┝        | $\dashv$  | -                            |    | 9<br>39      | +                      | +           | $\dashv$ | +         | ┪           | ╅         | ┪            | ╁            | -        | $\vdash$ |   | <u>39</u>          | $\dashv$            | ┪         | ╁        | +            | ╅         | +            | +            | ╁            | 1        |
| į |  | 40       |          |          |              |          |          |          |          |          |           |                              |    | 30           | 士                      | 1           | コ        | ユ         | ⇉           | $\Box$    |              | 1            |          |          | 1                                       | 10                 |                     | コ         | ユ        | 1            | 1         | 1            | 1            | I            | 1        |
|   |  | 41       | L        | L        |              |          |          | H        | H        | $\vdash$ | Н         | -                            |    | 31           | 4                      | 4           | 4        | 4         | 4           | 4         | $\downarrow$ | 4            | 4        | F        |   | 11<br>12           | $\vdash$            | 4         | +        | +            | +         | +            | +            | +            | · ·      |
| } |  | 42       | $\vdash$ | $\vdash$ | H            | $\dashv$ | $\dashv$ | Н        | $\vdash$ | $\vdash$ | H         | $\vdash$                     | +  | 92<br>93     | +                      | ┥           | +        | +         | +           | +         | +            | +            | $\dashv$ | -        |   | 13                 | $\vdash$            | +         | +        | +            | +         | 十            | +            | +            | 1        |
| ł |  | 44       |          |          |              |          |          |          |          |          |           |                              | 1  | 34           | 土                      | 1           |          | ユ         | ユ           |           |              | 士            | 1        |          | 1                                       | 14                 |                     | コ         | 工        | 1            | #         | 1            | 1            | 二            | 1.       |
| ĺ |  | 45       | L        |          | $\Box$       |          |          | П        |          | Щ        | Н         |                              |    | 35           | 4                      | 4           | Ţ        | 7         | 4           | $\bot$    | 4            | -            | 4        | F        |   | 5 6                | $\vdash \downarrow$ | 4         | - -      | 4            | +         | +            | +            | +            | {        |
| ŀ |  | 46       | ┝        | $\vdash$ | Н            | $\dashv$ | $\vdash$ | H        | $\vdash$ | Н        | $\forall$ | $\vdash$                     |    | 96<br>97     | +                      | +           | +        | ╅         | +           | $\dashv$  | $\dashv$     | +            | $\dashv$ | $\vdash$ |   | 17                 | $\vdash$            | +         | +        | +            | +         | +            | +            | +            | 1        |
| ŀ |  | 48       |          |          |              |          |          |          |          |          |           |                              | 7  | 98           | 士                      | _           | $\Box$   |           | ゴ           | ユ         | ゴ            | ユ            |          |          | 1                                       | 18                 |                     | 二         |          | 1            | $\perp$   | 1            | 1            | I            | 1        |
|   |  | 49       |          | Ц        | $\dashv$     |          | $\dashv$ | Н        | oxdot    | Ц        | $\dashv$  | F                            | 43 | 99           | 4                      | 4           | 4        | 4         | 4           | 4         | 4            | 4            | 4        | -        |   | 19                 | $\dashv$            | 4         | 4        | 4            | +         | 1            | +            | +            | 1        |